

AGENDA: March 23, 2004

4.8

CATEGORY: Consent

DEPT.: Public Works

TITLE: Miramonte Reservoir Expansion,
Project 00-32—Approve Plans and
Specifications

RECOMMENDATION

Approve plans and specifications for Miramonte Reservoir Expansion, Project 00-32, and authorize staff to advertise the project for bids.

FISCAL IMPACT

The total project budget for Miramonte Reservoir Expansion, Project 00-32, is \$5.8 million from the Water Revenue Fund. The Engineer's Estimate for the construction of Miramonte Reservoir Expansion is \$3.9 million; the total estimated project cost is \$5.5 million and is within the approved budget for this project.

BACKGROUND AND ANALYSIS

Project Background

In the 1990s, the City of Mountain View commissioned an independent consultant to perform a critical analysis of the Mountain View municipal water system to ensure that the City continued to provide reliable water service to its users. This Water System Study, along with several supplemental studies, identified a critical need for additional municipal water storage in the City and recommended, as a high priority, the expansion of Miramonte Reservoir to address some of these storage needs.

During Fiscal Year 1996-97, the City Council adopted a Water Master Plan that facilitated the implementation of a number of the water system enhancements recommended in the 1992 Water System Study. This Master Plan included projects that corrected system deficiencies, ensuring an adequate and sustained supply of water in the City. The Miramonte Reservoir Expansion project was one of the Priority 1 projects included in the Master Plan.

Soon after, as part of the 1997-98 Capital Improvement Program (CIP), the City Council approved Miramonte Reservoir Expansion (design), Project 97-45. Then, as part of the 1999-2000 CIP, Miramonte Reservoir Expansion (construction), Project 00-32, was approved.

Environmental Impact Report

In 2001, the City determined that an Environmental Impact Report (EIR) was needed to address environmental effects related to the project and concerns raised by Los Altos residents living in the vicinity of the project. On July 8, 2003, the City Council certified the project EIR and approved the design and construction of a 2.3-million-gallon reservoir behind the existing Miramonte Reservoir.

Heritage Tree Removal

On February 11, 2004, the City's Urban Forestry Board (UFB) reviewed the mitigation measures contained in the project EIR for removal and replacement of 20 Heritage trees on the Miramonte Reservoir site and recommended that, as part of the project, the Heritage trees removed shall be replaced at a 2:1 ratio with the flexibility to use larger trees at a lower replacement ratio. The UFB also recommended that four Heritage trees be transplanted to other locations on-site, in lieu of removal and replacement to the extent feasible, and that at least 50 percent of the replacement trees be of a drought-tolerant native species. The tree removal and transplanting work is scheduled to occur in May 2004.

New Perimeter Fencing

The original project scope for the reservoir expansion included the construction of a new 6' high redwood good-neighbor fence along the north, south and west property lines of the site as one of the final items of work. The project scope also included the installation of a 6' high black vinyl-coated chain link fence along the portion of the site facing Miramonte Avenue to fully secure the reservoir site.

However, in an effort to address City of Los Altos requests and to further improve site security, the fence design and fence construction schedule has been changed. The redwood perimeter fencing has been modified to include a 1' redwood lattice on top (providing a total fence height of 7') and the height of the chain link fence along Miramonte Avenue has been increased to 7'. In addition, instead of constructing the fencing at the end of the reservoir construction project, the fencing work is now scheduled to begin in April 2004, prior to reservoir construction to secure the site.

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Project Cost

The estimated project cost for Miramonte Reservoir Expansion, Project 00-32, is as follows:

Preconstruction Site Work (site fencing and tree removal)	\$ 100,000
Construction	3,900,000
Construction Contingency (10%)	390,000
City Project Management, Contract Administration, Inspection, Testing	250,000
Design Consultant Construction Support Services	120,000
Geotechnical Services	50,000
Contract Construction Management	<u>350,000</u>
 Subtotal	 \$5,160,000
 City Administration	 <u>340,000</u>
 TOTAL CONSTRUCTION PROJECT COST	 <u>\$5,500,000</u>

Construction bids for the project are scheduled to be opened on April 29, 2004 and a contract will be recommended for award on May 11, 2004. Construction will begin in early June 2004 and completion of the project is anticipated by fall 2005. The project plans and specifications are on file in the Public Works Department.

PUBLIC NOTICING—Agenda posting.

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AMC/5/CAM/924-03-23-04M-E^

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APWD—Ko, DE, EEM, USM, CE, SCE—Callan, SCE—Muench, File